	Application No.	Applicant(s)
Notice of Allowability	09/985,775	MIZOGUCHI, MASATOSHI
	Examiner	Art Unit	
	Nghi V. Tran	2151	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to _05/03/2005_.

2. ☒ The allowed claim(s) is/are _3-5 and 8-11_.

3. ☒ The drawings filed on _06 November 2001_ are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
     a) ☐ All   b) ☐ Some*   c) ☐ None   of the:
         1. ☐ Certified copies of the priority documents have been received.
         2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
         3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
     * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
     (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
         1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .
     (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
         Paper No./Mail Date _____ .
     Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)
1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____ .

ZARNI MAUNG
SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

2.   Authorization for this examiner's amendment was given in a telephone interview

with Mehdi D. Sheikerz (Reg#41,307), on June 06, 2005.

3.   The application has been amended as follows:

In the claims

Please **AMEND** claims 3-5 and 8-11 in accordance with the following.
Please **CANCEL** claims 2 and 7.

1.   (CANCELLED)

2.   (CANCELLED)

3.   (CURRENTLY AMENDED) The distributed computer system according to
~~claim 2~~ claim 4, wherein said maintenance data comprises application destination
directory information whereby said maintenance data that was registered beforehand is
applied; and
        said application section, when said application destination directory is detected
from said directory, applies said maintenance data to said application destination
directory.

4.   (CURRENTLY AMENDED) ~~The~~ A distributed computer system ~~according to claim 2, further~~ comprising:

a plurality of client computers in which is stored a file group including files managed in each resource group under a directory constituted by a plurality of layers;

a management computer that manages ~~the~~ generated maintenance data ~~that was generated~~, according to a process comprising:

~~wherein said management computer comprises:~~

storing previous file update ~~date~~ management information for each said resource group of said group of files,

~~an extraction section that extracts,~~ extracting of said generated maintenance data, maintenance data having ~~an~~ file update ~~date~~ management information more recent than said previous file update ~~date~~ management information; and

~~a transfer section that transfers this~~ transferring the extracted maintenance data to said server computer;

a server computer that transfers to each of the client computers maintenance data for updating files managed in each of said resource groups;

wherein said client computers comprise:

an application section that, when said maintenance data is transferred from said server computer, detects from said directory of a client computer identification information that identifies said resource group contained in said maintenance data that was transferred ~~from said directory~~, searches for a layer of said directory layers that has said identification information, generates a maintenance target directory for applying said maintenance data by adding a second directory portion, which was registered beforehand, under a first directory portion from a topmost layer of said directories as far as a level having the identification information contained in said maintenance data which was transferred, and applies said maintenance data which was transferred to the maintenance target directory, and

a monitoring and notification section that monitors to ascertain whether a

plurality of items of identical identification information are present in said directories and,
if a plurality of items of identical identification information are present, notifies said
server computer of abnormality.

5.   (CURRENTLY AMENDED) The distributed computer system according to
~~claim 2~~ claim 4, wherein said application section reads a maintenance protection
information file comprising name information of said client computer from said file group
and, if the name of the client computer of the maintenance protection information file
that has thus been read is its own name, applies to said maintenance target directory
said maintenance data that has been transferred.

6.   (CANCELLED)

7.   (CANCELLED)

8.   (CURRENTLY AMENDED) The maintenance data application method
according to ~~claim 7~~ claim 9, wherein said maintenance data comprises application
destination directory information as to where said maintenance data that has been
registered beforehand is to be applied and
        in said detecting, when said application destination directory is detected from
said directory, in said applying, said maintenance data is applied to said application
destination directory.

9.   (CURRENTLY AMENDED) ~~The~~ A maintenance data application method
~~according to claim 7, wherein said distributed computer system comprises a~~
~~management computer that manages the maintenance data that was generated and the~~
~~previous update date information for each said resource group of said file group and the~~
~~method further comprises~~ in a distributed computer system comprising a plurality of
client computers in which is stored a file group including files managed in each
prescribed resource group under a directory constituted by a plurality of layers, and a

server computer that transfers to each of the client computers maintenance data for updating files managed in each of said resource groups, said method comprising:

extracting, of said generated maintenance data, maintenance data having an file update date management information more recent than said previous file update date, management information, according to a management computer managing the maintenance data that was generated and the previous file update management information for each said resource group of said file group; and

transferring the extracted maintenance data to said server computer from said management computer;

detecting from said directory of a client computer identification information[,] that identifies said resource group[,] contained in said transferred maintenance data from said directory of said client computer, when said maintenance data has been transferred from said server computer;

searching for a layer of said directory layers that has said identification information;

generating a maintenance target directory by adding a second directory portion that was registered beforehand under a first directory portion from a topmost layer of said directory as far as a layer having the identification information included in said transferred maintenance data;

applying said transferred maintenance data to the maintenance target directory;

monitoring whether a plurality of identical items of identification information are present in said directories;

notifying said server computer of abnormality, if a plurality of identical items of identification information are present according to the monitoring.

10.   (CURRENTLY AMENDED) The maintenance data application method according to ~~claim 7~~ claim 9, wherein, in said applying, a maintenance protection information file having name information of said client computer is read from said file group, and, if the name of the client computer of the maintenance information file that was thus read is its own name, said transferred maintenance data is applied to said maintenance target directory.

11.   (CURRENTLY AMENDED) A recording medium for storing a program ~~for executing a maintenance data application method in~~ to control a distributed computer system, which comprises ~~comprising~~ a plurality of client computers that store file groups containing files managed for each prescribed resource group under a directory constituted by a plurality of layers, and a server computer that transfers to the client computers maintenance data for updating files managed for each said resource group, ~~said recording medium being characterized by storing a program for executing~~ to provide a maintenance data application according to a process comprising:

extracting, of generated maintenance data, maintenance data having file update management information more recent than previous file update management information, according to a management computer managing the maintenance data that was generated and the previous file update management information for each said resource group of said file group; and

transferring the extracted maintenance data to said server computer from said management computer;

detecting from said directory of a client computer identification information identifying said resource group contained in said transferred maintenance data ~~from said directory of said client computer~~, when said maintenance data has been transferred from said server computer;

searching for a layer of said directory layers that has said identification information;

generating a maintenance target directory by adding a second directory portion that was registered beforehand under a first directory portion from a topmost layer of

said directory as far as a layer having the identification information included in said

transferred maintenance data,

applying said transferred maintenance data to the maintenance target directory;

monitoring whether a plurality of items of identical identification information are

present in said directories; ~~and~~

notifying said server computer of abnormality if a plurality of identical items of

identification information are present.

Allowable Subject Matter

4.   Claims 3-5 and 8-11 are allowed.

5.   The following is an examiner's statement of reasons for allowance:

The cited prior arts fail to disclose or suggest the claimed present invention's

generating a maintenance target directory for applying said maintenance data by adding

a second directory portion, which was registered beforehand, under a first directory

portion from a topmost layer of said directories as far as a level having the identification

information contained in said maintenance data which was transferred, and applies said

maintenance data which was transferred to the maintenance target directory, a

monitoring and notification section that monitors to ascertain whether a plurality of items

of identical identification information are present in said directories and, if a plurality of

items of identical identification information are present, notifies said server computer of

abnormality in conjunction with all other limitations in the claim.

6.   Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Conclusion

7.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Nghi V. Tran whose telephone number is (571) 272-

4067. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Zarni Maung can be reached on (571) 272-3939. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Nghi V Tran
Patent Examiner
Art Unit 2151

NT

ZARNI MAUNG
SUPERVISORY PATENT EXAMINER